Mobil 1™ ESP 0W-40

Mobil Passenger Vehicle Lube , United States

Fully Synthetic Engine Oil

Product Description

Mobil 1™ ESP 0W-40 is a fully synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP 0W-40 has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline powered automobiles. Mobil 1 ESP 0W-40 meets or exceeds the requirements of many leading industry and car manufacturers' standards required for newer modern diesel and gasoline powered passenger car engines.

Features and Benefits

Mobil 1 ESP 0W-40 is made with a proprietary blend of leading edge components formulated to be fully compatible with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's). Mobil 1 ESP 0W-40 has been designed to help deliver outstanding performance and protection in conjunction with potential fuel economy benefits. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Low Ash Content	Helps to reduce particulate build up in Diesel Particulate Filters
Low Sulphur and Phosphorous content	Helps to reduce poisoning of Gasoline Catalytic Converters
Active cleaning agents	Helps to reduce deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Helps to reduce oil aging allowing extended drain interval protection
Low oil consumption	Less hydrocarbon pollution
Enhanced frictional properties	Potentially aids fuel economy
Excellent low temperature capabilities	Quick cold weather starting and ultra fast protection Helps to extend engine life

Applications

Mobil 1 ESP 0W-40 is recommended for all types of modern automobile engines, especially the high-performance gasoline and diesel engines found in the latest passenger cars, SUVs and light vans.

Mobil 1 ESP 0W-40 has the General Motors Service Fill dexos2™ approval, which is required for all 2010 new GM/Opel/Vauxhall/Chevrolet Diesel and Gasoline models. GM/Opel have advised that dexos2™ specification is backward compatible to older GM/Opel specifications (GM-LL-A-025 and GM-LL-B-025). The majority of GM/Opel/Vauxhall/Chevrolet Diesel and Gasoline vehicles can use dexos2™ lubricants.

Mobil 1 ESP 0W-40 is especially suitable for extreme conditions, where conventional oil often may not perform

It is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Specifications and Approvals

This product has the following builder approvals:
GM dexos2
MB-Approval 229.31
MB-Approval 229.51

This product is recommended by ExxonMobil for use in applications requiring:
API CF
GM-LL-A-025
GM-LL-B-015

This product meets or exceeds the requirements of:
ACEA C3
API SM
FIAT 9.55535-S2

Properties and Specifications

Property	
Grade	SAE 0W-40
Ash, Sulfated, mass%, ASTM D874	0.8
Density @ 15 C, g/ml, ASTM D4052	0.845
Flash Point, Cleveland Open Cup, °C, ASTM D92	234
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.76
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.2
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	73
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	26400
Phosphorus, mass%, ASTM D4951	0.08
Total Base Number, mgKOH/g, ASTM D2896	7.8
Viscosity Index, ASTM D2270	176

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims

/psims.aspx

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12-2020

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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